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Notice of Allowability	Application No.	Applicant(s)	
	09/781,459	MURPHY, MICHAEL C.	
	Examiner	Art Unit	
	Dung X. Nguyen	2631	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 19 September 2005.
2. ☒ The allowed claim(s) is/are 1 - 9, 11 - 16, 19, 21 - 27, 32 - 37, 39 - 42, 44 - 52, 56 - 62, re-ordered as 1 - 9, 12, 11, 13 - 16, 19, 21 - 27, 32 - 37, 39 - 42, 44 - 52, 56 - 62, and re-numbered as 1 - 49 respectively.
3. ☒ The drawings filed on 12 February 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


KENNETH VANDERPUYE
 SUPERVISORY PATENT EXAMINER

DXN
 September 25, 2005

Response to Arguments

1. Applicant's arguments filed on September 19, 2005 have been fully considered and are persuasive. Claims 10, 17, 18, 20, 28 – 31, 38, 43, 53 – 55, and 63 – 72 have been canceled.

Allowable Subject Matter

2. **Claims 1 – 9, 11 – 16, 19, 21 – 27, 32 – 37, 39 – 42, and 44 – 62 are allowed, re-ordered as 1 – 9, 12, 11, 13 – 16, 19, 21 – 27, 32 – 37, 39 – 42, and 44 – 52, 56 – 62, re-numbered as 1 – 49, respectively.** The following is an examiner's statement of reasons for allowance:

Regarding to the claimed invention, the prior art of record fails to show or render obvious of a monolithic circuitry transmitting for driving and receiving signals through a transformer having an output transistor and a circuitry, which provides a controlled current to/form the output of transistor's gate, so as to charge and discharge the gate's parasitic capacitance and increasing/decreasing the transistor's output current in a controlled manner. Feedback can be used to sense an output signal created by the transistor and turn off current to/from the transistor's gate when the output signal has reached the desired level. Two pairs of output connections, a first for driving a center-tapped transformer second for driving a bridge transformer. Each connection of first pair has circuitry isolating it from the transmitter circuitry during a different part of the output signal, whereas the connection of the second pair does not.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information


9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung X. Nguyen whose telephone number is (571) 272-3010. The examiner can normally be reached on Monday through Friday from 8:00 AM to 17:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Vanderpuye Kenneth N. can be reached on (571) 272-3078. The fax phone numbers for this group is (571) 273-3021.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

DXN

September 25, 2005


KENNETH VANDERPUYE
SUPERVISORY PATENT EXAMINER